

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

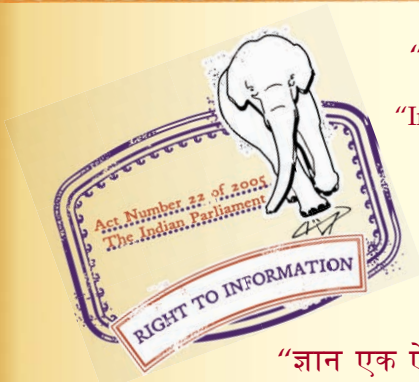
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6584 (1972): Dilators, Uterine, Single Ended, Hegar's Pattern [MHD 3: Obstetric and Gynaecological Instruments and Appliances]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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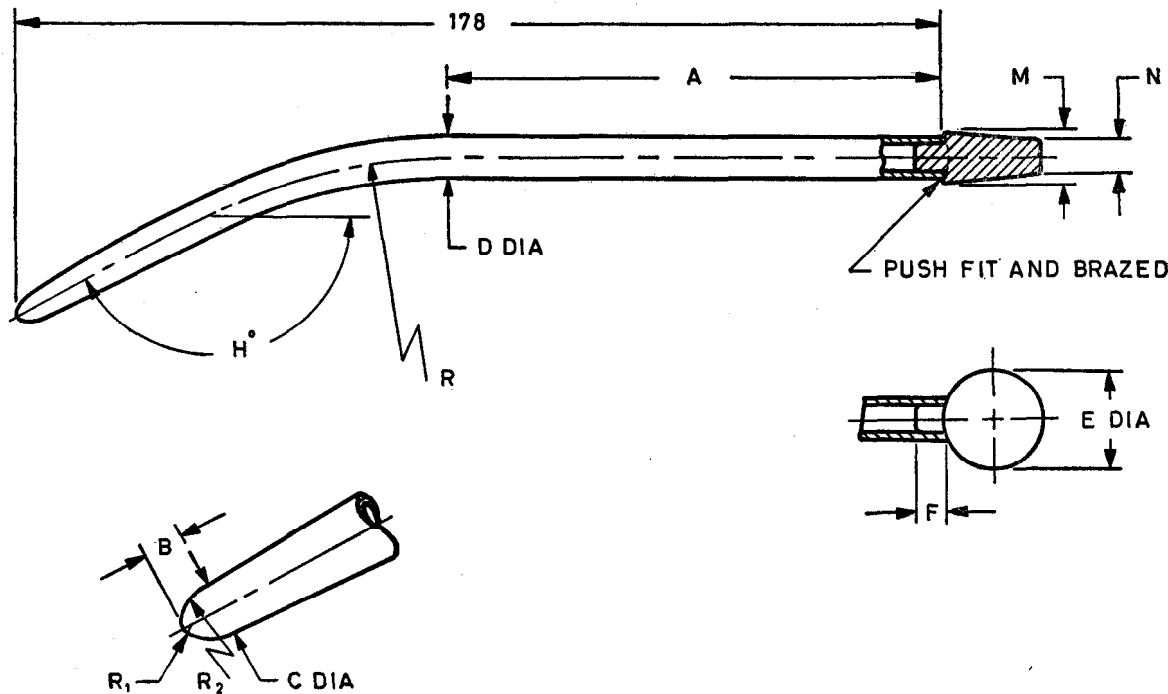


Indian Standard

(Reaffirmed 1997)

SPECIFICATION FOR DILATORS, UTERINE,
SINGLE ENDED, HEGAR'S PATTERN

1. **Scope** — Dimensional and other requirements for uterine dilators, single ended, Hegar's pattern.
2. **Shape and Dimensions** — As shown in Fig. 1.



Size	A	B	C	D	E	F	H	M	N	R	R ₁	R ₂	Weight
			±0.1	±0.1									± 5%
	mm	mm	mm	mm	mm	mm	deg	mm	mm	mm	mm	mm	g
3/6	95	2.5	3	6	19	6.3	152	7.0	4.5	98	1.0	3.8	23
4/7	95	3.3	4	7	19	6.3	152	8.0	5.6	98	1.0	4.0	28
5/8	95	4.0	5	8	19	6.3	152	9.0	6.6	98	1.0	4.5	34
6/9	95	5.0	6	9	19	6.3	152	10.0	7.6	98	1.2	5.3	41
7/10	95	5.6	7	10	19	6.3	152	11.0	8.6	98	1.2	6.0	49
8/11	82	6.3	8	11	22	8.1	156	12.4	9.3	131	1.2	7.0	58
9/12	82	7.0	9	12	22	8.1	156	13.4	10.4	131	1.5	8.0	69
10/13	82	8.0	10	13	22	8.1	156	14.4	11.4	131	1.5	9.0	82
11/14	82	8.5	11	14	22	8.1	156	15.4	12.4	131	1.7	10.0	95
12/15	82	9.4	12	15	22	8.1	156	16.5	13.4	131	1.7	11.0	110
13/16	68.5	10.0	13	16	25	9.6	160	18.0	14.2	165	2.0	12.0	125
14/17	68.5	11.0	14	17	25	9.6	160	19.0	15.2	165	2.0	13.0	142
15/18	68.5	12.0	15	18	25	9.6	160	20.0	16.2	165	2.2	14.0	159
16/19	68.5	12.7	16	19	25	9.6	160	21.0	17.2	165	2.2	15.0	178
17/20	68.5	13.4	17	20	25	9.6	160	22.0	18.2	165	2.5	16.0	197
18/21	68.5	14.0	18	21	25	9.6	160	23.0	19.3	165	2.5	17.0	218

FIG. 1 DILATORS, SINGLE ENDED (HEGAR'S PATTERN)

3. **Material** — Solid drawn brass tubes (60 percent copper, *Min*).
4. **Workmanship and Finish**
- 4.1 The surface of dilators shall be free from scales, burrs, pits, cracks and like defects.

Adopted 25 May 1972

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Revised Price

4.2 The brazing shall be neat and sound.

4.3 The dilators shall be plated chromium over nickel, conforming to Service Grade 2 of IS : 4827-1968 ' Specification for electro-plated coatings of nickel and chromium on copper and copper alloys '.

4.4 The tips of the dilators shall be rounded and smooth.

4.5 All edges shall be smoothly rounded off.

5. Test

5.1 Rigidity Test — The handle of the dilators shall in turn be gripped in a vice so that the whole length of the shaft protrudes from the vice jaw in the horizontal plane and the tip faces upwards. A load as shown in the table given below shall be suspended from the tip of the dilators:

<i>Size of the Dilator</i>	<i>Load Suspended</i>
3/6	1 kg
4/7	2 kg
5/8	3 kg
6/9	4.5 kg
7/10	6 kg
8/11	7 kg
9/12	9 kg
10/13	10 kg
11/14	12 kg
12/15	16 kg
13/16	20 kg
14/17	23 kg
15/18	25 kg
16/19	30 kg
17/20	30 kg
18/21	30 kg

The maximum load shall gradually be attained and shall act for two minutes. On completion of the test, the dilators shall show no sign of damage.

6. Marking

6.1 Each dilator shall be legibly and indelibly marked with the size number, manufacturer's name or initials, and recognized trade-mark.

6.2 ISI Certification Marking — Details available from the Indian Standards Institution, New Delhi 1.

7. Packing — Dilators shall be packed as agreed to between the purchaser and the supplier.